

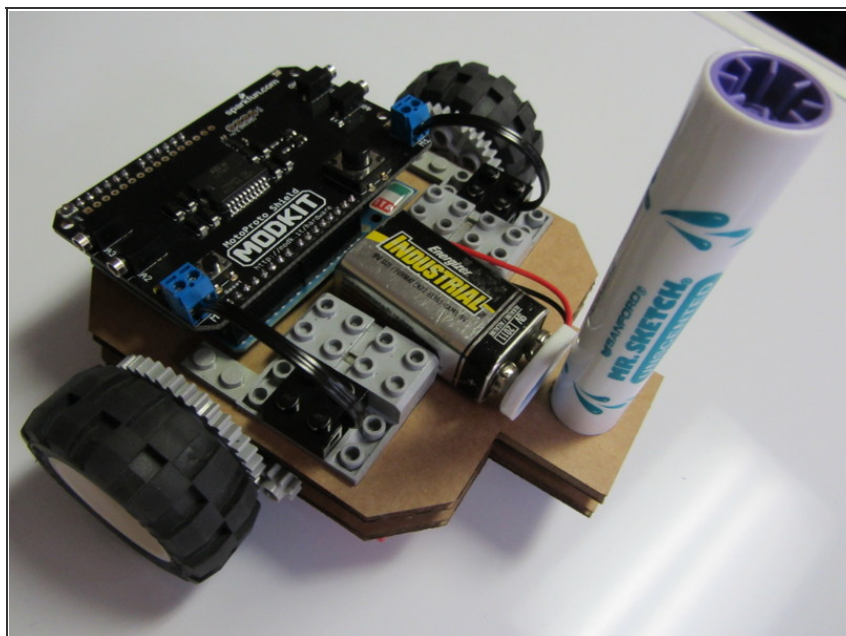
Simple Modkit Drawbot

Written By: Modkit

SUMMARY

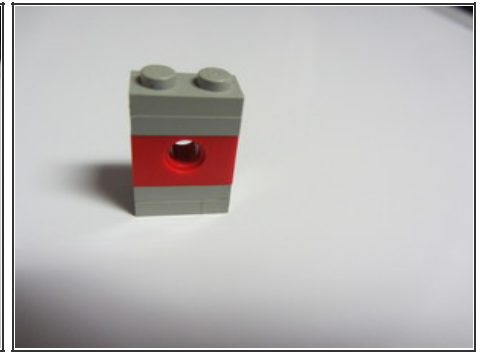
Build a simple drawbot using old Lego motors, an Arduino, and a Modkit MotoProto shield. You can then program your drawbot to draw using Modkit Micro or the Arduino IDE.

Step 1 — Simple Modkit Drawbot



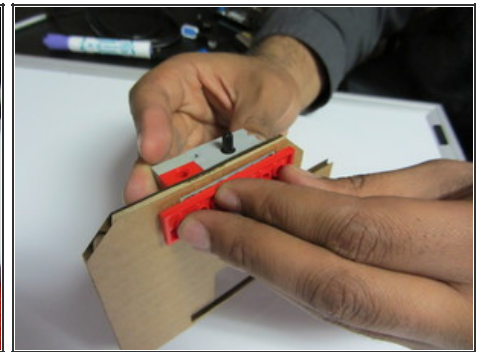
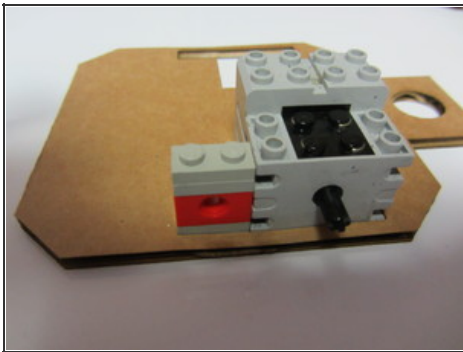
- This is the finished drawbot.

Step 2



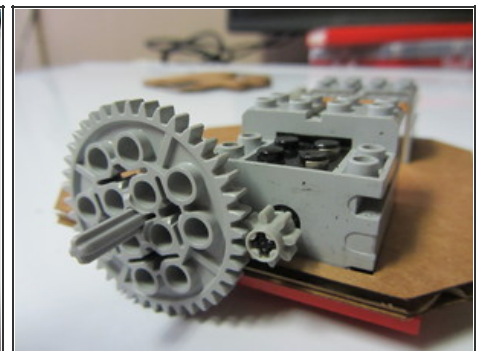
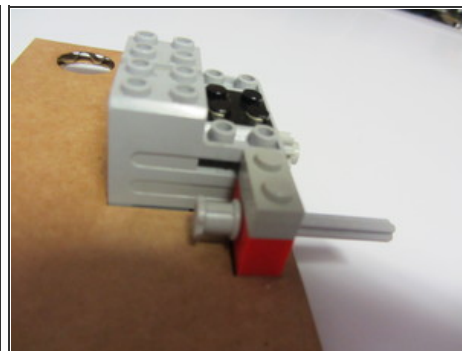
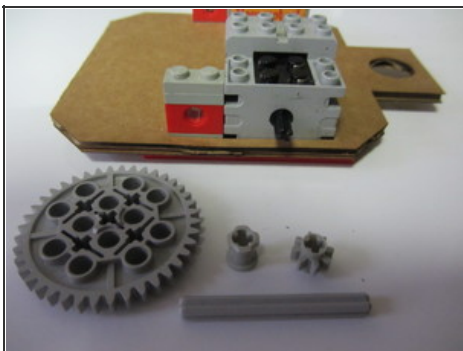
- Build the stack of blocks shown in the last picture.

Step 3



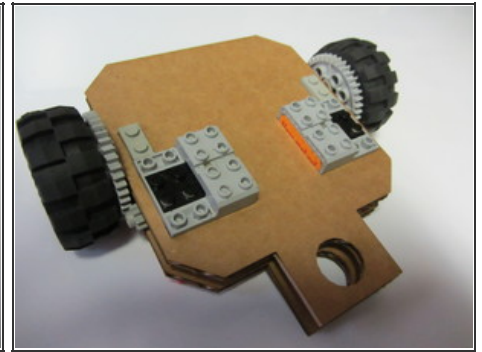
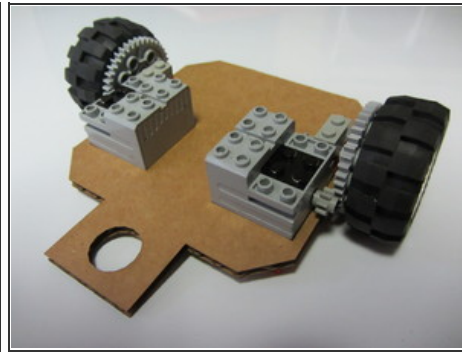
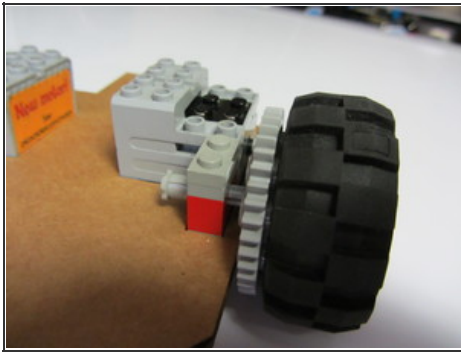
- Push the bottom of the motor (bumps side up), and small block through the cardboard.
- And secure it with the long red block.

Step 4



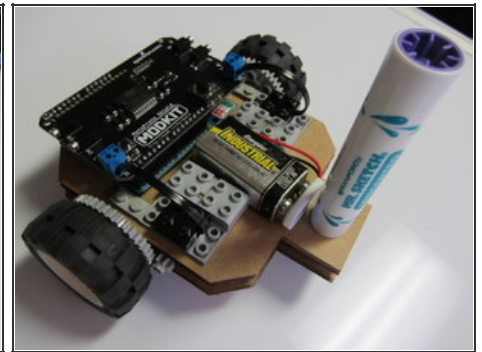
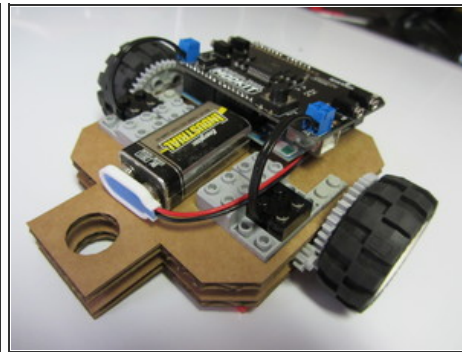
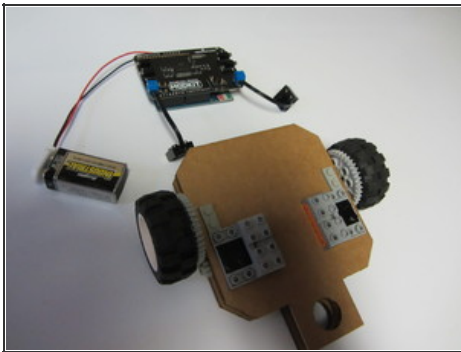
- First add the axle for the wheel, then the small and large gears as shown.

Step 5



- Add the wheels and top cardboard layer.

Step 6



- Attach the motors to the controller as shown.
- Fit the battery as shown.
- Add the marker.
- Draw!

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